Continued from page 4

process uses air, which is reliable and and provide secondary treatment. membranes to clean the wastewater need less surface area and a smaller requires deeper, covered tanks, which more efficient at oxygen transfer and West Point. The high purity oxygen is straints, high purity oxygen is used at cost effective. Because of space conogy to consider for Brightwater uses footprint. Another emerging technol-

Disinfection

the wastewater flow passes through Sodium hypochlorite, a more concenor deactivates any remaining organisms process is disinfection, which destroys high intensity light that deactivates the disinfection is another option in which for chemical disinfection. Ultraviolet bleach, can be used instead of chlorine trated form of common household disinfection are being considered. Puget Sound. Chemical and ultraviolet The next stage of the treatment before the treated wastewater is sent to

Reclaimed Water

high level so it can be reused safely for Some wastewater is treated to a very

and industrial processes. This such as landscape irrigation Various methods for controlling odors **Odor Control** generate heat or electricity. methane gas, which is used as a fuel to nutrient-rich material that can be water during primary and secondary non-drinking water purposes byproduct of biosolids treatment is in farming, forestry, and landscaping. A treatment is treated to make biosolids, a involve sand filters and membranes. recycled as a soil amendment and is used The material that is removed from the Processes to reclaim wastewater could tool used extensively in other states. is an important water conservation

include covering portions of the treatment chemical scrubbers, or compost-like "biofilters" to filter the air. to the atmosphere and using carbon filters, process to prevent odors from being released

proven technology with cutting edge systems. Brightwater will use a blend of reliable, Brightwater is located. It is likely that process for each situation, wherever latest technology and choosing the right King County is committed to exploring the

King County Executive Ron Sims holds up reclaimed water. We can save water by using it over and

are happy to come out to: available to talk with you and Project Team Members are thoughts about the project Brightwater staff want to answer our questions and hear your, your church, synagogue

- your neighborhood your community block watch association meeting
- your homeowners association
- your social club gathering

your community picnic or

- your community council
- your PTA meetings
- your community's youth groups
- your company's staff
- and ideas as we continue forward Your concerns are important to us We want to hear your thoughts

To invite a speaker, call our toll free number at 1-888-707-8571 or call



Inside This Issue

- **Environmental Impact Statement Process**
- Citizens Involved at Every St
- Selecting the Right Technology







Division at (206) 684-1280 ndividuals with disabilities the Wastewater Treatment in alternative formats for This material is provided upon request by calling

King Street Center 201 S. Jackson St. • M.S. KSC-NR-0503 Seattle, Washington 98104-3855 Attn: Debra Ross

wtd/brightwater.

http://dnr.metrokc.gov/ milestones by visiting us at and important decision-making Learn more about the project

Wastewater Treatment Division

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for a Sound future

Statement Process Environmental Impact

wastewater from south Snohomish and north King counties and to protect A new wastewater treatment system bor and protect the environment. help make Brightwater a good neigh-Many studies are currently underway to called Brightwater is needed to treat public health and the environment.

among the issues being studied.

habitat, and cultural resources are

conditions, marine resources, water conditions, land use, geotechnical

The purpose of the environmental

tives now under consideration: stations, and outfall). The detailed system under consideration (treatment and operating the entire wastewater environmental effects of construction May 2002 on the two system alternaenvironmental review will begin in plant, conveyance pipes and pump (EIS). This document will analyze the the Environmental Impact Statement Many of these studies come together in Edmonds Unocal and Route 9. Traffic

every step Citizens involved at

covered in the EIS and invites citizens of scoping meetings held in May 2002 make verbal comments at a scoping comments to be considered during two key opportunities for citizens to and make it easy for people to share to be open and accessible to citizens meeting. This is an important point and agencies can submit written tal impacts that should be studied. to help identify potential environmen-"Scoping" refers to issues to be their opinions. The process includes development of the EIS, or they can During the scoping period, citizens be involved. The first will be at a series The environmental process is designed

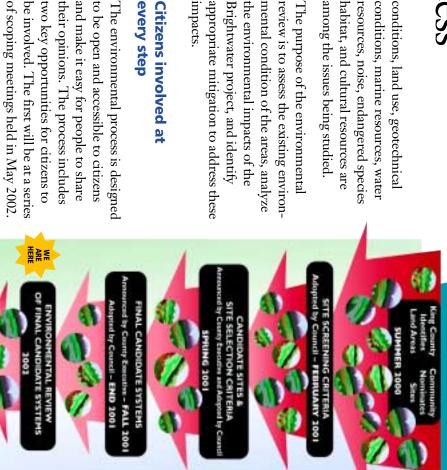
Project Web Site

Continued on page 2

opportunities mailbox for Check your

eht Water

involved this to get



the environmental impacts of the

Brightwater project, and identify



tunity for King County to learn which to people in the project area. elements of the project are important for citizen involvement and an oppor-

Another opportunity for

community members to participate will be after the draft EIS is issued in October 2002. A series of public hearings will be held in the project area during the 45of 2003. issued in the spring final EIS, due to be day comment comments in the period, where respond to all County will draft EIS. King citizens can comment on the

things King County will study examples of the kinds of researched. Here are some will be thorough and wel The Brightwater EIS

Traffic Studies

current traffic conditions in the siting

King County will conduct studies of

area and the impacts of additional

operating the facilities. The EIS will

develop solutions to mitigate or reduce

traffic resulting from constructing and

Wetland Studies

species. When it appears that wetlands construction method to minimize other nearby wetlands or selecting a Mitigation could consist of enhancing forested wetlands that provide valuable roadside ditches to high quality information about soils, vegetation, wetlands. Biologists will collect involves identifying and characterizing Another step in the EIS process project, the wetlands are measured and may be impacted by the proposed habitat for a variety of animal and plant Wetlands can vary from poor quality and water resources to determine the determine the appropriate mitigation. function and value of wetlands. the boundaries are delineated to

Geotechnical Studies

feasible for conveyance pipes. collected here will determine whether are brought to the surface. Data deep and analyzing the materials that small diameter holes up to 440 feet information is obtained by drilling Brightwater Treatment Plant. This untreated wastewater to and from the pipes that will carry treated and groundwater of the area. This will help Geotechnical work along the proposed or not the deep tunneling proposals are pipeline routes will provide informadetermine potential locations for the tion about the geology, soils, and

soil. The geotechnical work will also of truck trips required to remove the building foundations and the number will allow engineers to estimate how treatment plant sites. The information much excavation is necessary for Geotechnical investigations are also being conducted at the proposed

traffic to avoid peak congestion hours include managing construction truck these impacts. Examples of mitigation

trucks to leave the construction site per or only allowing a specified number of

> Brightwater Questions About Commonly Asked

needed for the facility.

Q. What is the role of the siting advisory committee?

not charged with making site selection tions and agencies. The Committee siting area, as well as regional labor, behalf of tribal governments, local to the siting process, and serve on members bring a regional perspective county executives on a variety of policy ties siting process and to advise the two overall Brightwater Treatment Faciliof the Committee is to review the pointed members to the Brightwater business, and environmental organizajurisdictions and special districts in the issues and regional concerns. The Siting Advisory Committee. The role Executive Bob Drewel jointly ap-Ron Sims and Snohomish County In June 2000, King County Executive functions in an advisory capacity and is

Q: Why is Edmonds being considered for Brightwater when ment plants within the city there are already two treat-

new longer, deeper Brightwater outfal facilities – flows from the Edmonds to improve Puget Sound water quality existing treatment plants could use the opportunities at these locations. The porated into Brightwater, offering new and Lynnwood plants could be incor-Siting Brightwater in Edmonds could help to consolidate some of the

help determine the type of foundations at how this could be achieved in such a in the Edmonds area. We are looking cities of Edmonds and Lynnwood and mental impacts and is fair to King their ratepayers. County's current ratepayers and the way that reduces the overall environ-

FOR A

SOUND FUTURE

Q. Many nei 9 site are on septic systems. Brightwater? Would they book them up to

be served by Brightwater if they are wastewater service is only provided years from now and is up to the local in an area could be months or many within the Urban Growth Area. The Areas, with few exceptions. It's possible within designated Urban Growth agencies. These decisions are based on wastewater district. timing for local sewers to be installed that residents in the Route 9 area could the local wastewater districts and their area. The ocal land use decisions. By state law, King County to treat wastewater from build or extend local sewer agencies contract with service lines rests with decision of where to

Q. Wby wou automatically select the cheapest site?

space, or other

ighbors of the Route

ldn't King County

although Route 9 is the more expenonly factor. Environmental, technical nity with landscaped buffers, open opportunities to enhance the commu allows flexibility in design and many sive option, it offers a large site which also play a key role. For example, and community considerations will considered when deciding where to Cost is a key factor that must be locate Brightwater, but it is not the amenities like sports

water supply reaches its limits. Cost tion consideration as our drinking like irrigation and industrial processes to use reclaimed water for purposes fields or education centers to mitigate This is an important water conservalocation, the site offers opportunities potential project impacts. Due to its

meets the needs of surrounding answer because there are many

clean the polluted waters of Lake Washington and Puget Sound. In 1958, citizens voted to build a regional wastewater system to



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What about property values?

can be viewed as an amenity by the good neighbor and designing the such as national, regional and local variables that affect property values, concern. We cannot give a specific A. We understand that potential neighbors and communities, provides King County is committed to being a to other wastewater treatment facilities examples of high priced land adjacent economies. However, there are many impact to property values is of great the highest quality odor control, and Brightwater plant in a manner that that have not been negatively affected.

> routes for our facilities? Mail or fax this form to Debra Ross at the number listed below. What do you think is important to consider when selecting a site and pipeline

FOLD ON DOTTED LINE AND TAPE SHUT. PLEASE DO NOT STAPLE.

factors like these in making a decision. must be weighed with additional

Primary Treatment

wastewater. Traditionally, most of the solids in the gravity is used to separate out with circular tanks, which use sedimentation tanks are rectangular. New processes During primary treatment,

surrounding community.

Secondary Treatment

clean the water and oxygen to South Plant, the conventional different methods for aerating South Plant in Renton. At the system that uses bacteria to by secondary treatment, a Primary treatment is followed Point Plant in Seattle and the the wastewater at the West King County currently uses help the bacteria do their job.

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Selecting the Right Technology

MS KSC-NR-0503

ATTN: DEBRA ROSS

KING COUNTY DEPARTMENT OF

NATURAL RESOURCES

201 S JACKSON ST

WASTEWATER TREATMENT DIVISION

SEATTLE WA 98104-9972

evaluating a number of wasteand cost-effective wastewater space and to provide reliable solids handling, and odor considered, including primary, the treatment process will be and emerging technologies to will evaluate both conventional disinfection, water reclamation, and secondary treatment, tal review process. All aspects of be folded into the environmentreatment. This evaluation will make the best use of available under consideration. The team most effective for each site stand which options are the water technologies to under-The Brightwater team is

TEAR HERE

less space, will be evaluated.

concerns or ideas. Send us your comments,

http://dnr.metrokc.gov/wtd/brightwater/ Web site

Debra Ross at (206) 684-6799 or, if calling Phone long-distance, use our toll-free number 1-888-707-8571

debra.ross@metrokc.gov

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